

ABSTRACT OF THE DISCLOSURE

This base station measures transmission line quality based on an error rate for received data and determines a traffic situation based on the amount of received data. When the transmission line quality or traffic situation is unsatisfactory, the base station determines a communication system to be R-ISMA; otherwise ISMA. A terminal references the system selected by the base station and determines a communication system based on a length of a data packet to be transmitted. When the packet length is small, the terminal adopts R-ISMA; otherwise ISMA.